These are results from class urinary tract infections (prim more than half with obstructive prime than the pri ients with chronic response when the urine culture revealed 10,000 or fewer colonies/ml of any single organism cultured from a midstream clean-catch specimen

> Excellent initial response\* after 10 days of therapy

Impressive response maintained 32 days after termination of therapy

n E. coll infections 97.1% of 105 patients in Proteus spp. Infections

73.1% of 93 patients 60.0% of 35 patients

81.1% of 37 patients

in Klebslella infections 85.7% of 21 patients 65.0% of 20 patients

In cystitis, pyelonephritis and pyelitis diagnosed as chronic and due to susceptible urman tract pathogens, usually <u>E. coli, Klebsiella Enterobacter and Proteus mirabilis</u>

Capents, sulforamides have caused rare instance of reduction, divrests and hypoglycemia in patients neithyly with these agents may exist, in rats, long and with sulforamides has produced thyroid mallungular that

## **Medical Tribune**

world news of medicine and its practice-fast, accurate, complete

Reaction to Edelin Conviction

Is One of Shock and Dismay

and Medical News -

Wednesday, March 12, 1975

Vol. 16, No. 10

"CONSTRUCTIVE OFFERS" by individual hoapitals in N.Y.C.'s League of Voluntary Hospitals have been made to the Committee of Interns and Residents in dispute over working hours and out-oftitle duties, Dr. Richard A. Knutson, C.I.R. Chairman told MT. A ten-day atrike notice will go into effect March 15 unless an agreement is reached, Dr. Knutson said. Spokesman for the League, which halted talks with the C.I.R., refused comment ss "detrimental to our negotistions.

A.M.A. SUIT against new utilization raview procedures has surprised the government, HEW staffars told MT. Suit says HEW overstspped bounds by allowing non-MDs to servs on hospital UR committees which must review Medicars/ Medicaid caass within a day of sdmission. A.M.A. charges health care would be endangered without acutally cutting costs. Rules went into effect Feb. 1, but hospitals have until April 1 to comply.

### **Burrington Cites Clinitest Tablets'** Peril to Children

By THOMAS BULGER

Medical Tribune World Service

MONTREAL-Clinitest indicator tablets used by the majority of the United States' 4,000,000 diabeties to determine urina sugar content, have been insufficiently recognized by physicians and patients as a serious hazard to small children, according to Dr. John D. Burrington, Professor of Surgery and Pediatrics at the University of

Chicago Pritzker School of Medicine. He reported to the annual meeting of the Society of Thorseic Surgeons here on five children between the ages of 19 and 26 months who incurred full-thickness burns of the esophagus after swallowing one of these tablets. All developed strictures that were rac-Continued on page 20

More Infarction, Less Pain

### Angina Patient Mortality Not Cut by Surgery

By Frances Goodnight Medical Tribune Staff

HOUSTON-Investigators who are conducting n randomized trial of medical vs. aurgical therapy in 150 patients with unstable angina pectoris have found no difference so far in the mortalily rates of the two groups, the American College of Cardiology was

But in reporting on the eight-center cooperative study, Dr. C. Richard

By SUE WYMALENAARG

Special Tribune Correspondent -Reaction to the conviction

of Dr. Kenneth C. Edelin on the

charge of manslaughter has been one

of dismay and shock in the medical

Dr. Edelin, 36, was convicted of

eausing the death of a fetus during the

performance of a legal abortion by

hysterotomy in October, 1973, while

See One Man ... and Medicine, page 15.

he was the chief obstetrical resident at

Boston City Hospital. He was sen-

tenced to one year's probation, atayed

pending appeal. He is now free on a

jurors inslat that manslaughter, not

abortlon, was the issue, those in this

conviction is a victory for the "right-

Although the prosecution and the

community here.

\$100 bond

Conti, of the Johns Hopkins University School of Medicine, said its findings indicate that the medical and surgical patients differ in two areas of clinical

farction and relief from pain.

Specifically, the incidence of myocardial infarction occurring in patients while still hospitalized or during the first year of follow-up has been "significantly greater" with surgery than with medical therapy, Dr. Conti sald.

Dr. Edelin's defense counsel, Wil-

liam P. Homsos, Jr., commented as he

and his client left the courtroom, "I

would say that the vehemence with which the foreman shouted out the

word 'guilty' shows something of the

temper on the part of the populace

Attorney Homans said that the case

would be appealed, "even if the sen-lence is only a one dollar fine."

Dr. Edelin maintained that ha was

not tried by a jury of his peers. "There

complicated issues for people with no foundation in medicina to understand,"

Assistant District Attorney Newman

will now move to preparations for a

second trial in April, this one involving

Their research on antibiotics effec-

Continued on page 5

Flanagan, who prosecuted this case,

he said in a lelevision interview.

from which at least some members of

the jury came."

community who are for and those who criminal charges against four other

are against legalized abortion agree the physicians at Boston City Hospital.

more often in patients on medical therapy than among those treated by The 150 natients with unstable an-

gina taking part in the trial have had anging of recent onset or a crescendo pattern associated with transient ECG changes, All have been admitted to a hospital because of a suspected impending myocardial infarction but can-didates are excluded if a myocardial infarction occurred less than three months before admission,

Other grounds for exclusion from the study include appearance of new Q waves or evidence from enzyme determinations (made in the first 24 hours of hospitalization) that myocardial infurction has occurred. All accepted patients must be under 70 and must have a state of health consistent with a further life expectancy of at least five years were it not for the Ischemie heart disease.

Dr. Conti also explained that patienta who are clearly belter suited to one form of therapy than the other ara excluded. Only those who satisfy clinical criteria ara asked to participate, and randomization takes place only if anatomy is judged auitable for bypass

Continued on page 3

### 'Blues' Battling For Life Against Takeover by US

BY LINOA MURRAY

For the first time in their history, Blue Cross and Blue Shield are fighting feverishly for their lives. "The future of Blue Shield . . . is by no means assured," warned Ned F. Parish, president of the National Association of

Second of a Series

Blue Shield Plans at the 1974 business meeting. The threat, of course, is national health insurance-which could either sweep the private sector aside entirely, or saddle it with a barrage of punitive restrictions.

To ward off a governm the Blues have embarked on an intense program of house-cleaning and improved performance, emphasizing stepped-up cont control activities with some real grit and extensive involvement in the development of HMOs. Both moves promise to alter the Blues

Continued on page 7



Dr. Edelin's status at the hospital is said the hospital will not change its

have on tap life saving services in case

viction of Dr. Edelin for doing a hys-

terotomy, most of us fear this type of

prosecution could happen to us. We

will have spent thousands of dollars if

there is even so much as a muscle

twitch in the fetus to prove we did

Dr. Ernest W. Lowe, chief of

ob/gyn at Boston City Hospital, said

there would be no change in that hos-

Prosecution Definition

In the trisl the prosecution defined

abortion as the termination of preg-

nancy, but not necessarily involving

the death of the fetus, and held that

the physician has a responsibility to

history of excessive bleeding. Her

tendency. A granddaughter, boro in

1972, has hod a normal infancy with-

out evidence of a bleeding tendency

or tentatively ruled out by laboratory

disease phenotype; a previoualy de-

scribed hemophilia A phenotype mutat-

ing at the Willebrand locus; extreme

lyonization-l.e. random inactivation

of almost all of the normal alleles in

a heterozygote by being sequestered in

Barr bodies; a balanced X-autosomal

dominant mutation at the hemophilia

Dr. Barrow said six possible genetic

the fetus if there is a chance that it is

Continued on page 13

pital's abortion policy, however.

everything possible."

now unresolved. His case will be re- basic policies on sbortion, except those

Dr. Edelin said he will continue to the fctus is born slive. Since the con-

In Women of 3 Generations

New Oaleans-A bleeding diathesis mother, bora in 1898, is alive, well,

indistinguishable from hemophilia A and symptom free Her daughter, born

which has been transmitted as a domi- in 1946, has only a slight bleeding

that there is nothing in the phenotype tests. These include a von Willebraad's

Medical Tribune Exclusive

### MIPI Report on Adverse Drug Reactions

Medicine in the Public Interest (MIPI), a nonprofit, nongovernmental organization headed by Dr. Dana L. Farusworth of the Harvard School of Public Health, recently published on extensive and objective study of reports of adverse drug reactions (ADR) by two leading pharmacologists, Drs. Fred Karch and Louis Lasagna, of the University of Rochester School of Medicine and Deutistry, Their 32-page report, reflecting the concern of leading physicians, has had virtually no coverage by the professional and lay media.

Because the MIPI study analyzes and reports on issues of importance to physicians in every branch of medicine, Medical Tribune is presenting highlights of some of the issues covered in the MIPI report.

THE MIPI STUDY of adverse drug I reactions was stimulated by Senator Edward M. Kennedy's interest in obtaining objective expert evaluation of roblem. At licarings uf his Senate Heolth Subcommittee some of the testimony offered resulted in frightening newspaper stories that presented an

### First of a series

image of inept and ignorant physicians using powerful new drugs whose side effects harmed and killed scores of thousands of American patients. Nonrescarchers extrapolated some data to estimate as many ns 120,000 to 140,-000 deaths, which excited the press and television news commentators

### Deta . . . "Completely Unreliable"

After examining the data, Drs. Karclı and Lasagna concluded that current estimates of the magnitude and cost of the adverse reaction problem are completely unreliable." They cite its incomplete data base, its unrepresentative and uncontrolled character among its deficiencies, "No ststistically valid estimates can be derived from such data. Therefore, "n morstorium on reckless statements and estimates" is "desperately" needed, they

### Failure To Include Outpetients

The MIPI report pointed out that one of the pitfalls in the existing litersture was that "almost all surveys on the incidence of ADRs have limited their ottention to hospitalized patients on acute medical wards. Such patients represent only o portion of the total hospital population, and the characteristles of this group may differ considerably from those of the whole hospital population. Drs. Karch and Lasagoa point out

that ambulatory outpatients account for the greatest amount of medicinal use in United States. There simply has been "no systematic attempt to assess ADRs in outpatient population," a point which outlines a perspective considerably different than that created by press accounts. In fact, Drs. Karch and Lasagna go on to point out that the possibility of underprescribing or failing to prescribe drugs must be conaidered. "Noncompliance on the part of patients is usually in the direction of failure to take drugs; patients in pain are often understated in our hospitals; our hyperiensive patients are often underireated because they will not take medications that produce side effects "The problem requires "riskbenefit analysis," assert the investiga-

Drs. Karch and Lasagna urge the development of methods of gathering. They also recommend federal funding development of methods of a program addressed to these prob operational identification of drug reac- lems.

### Well-Known Physicians In Leadership of MIPI

Most physicisns do not know of Medicine in the Public Interest. It was "conceived for the purpose of conducting studies, performing analyscs and making evaluations of present policies that the guvernment cannot or will not perform and to do so in an objective fashion . . . so that policymakers and the public will be better informed. . .

Its Board of Directors is chaired by Dr. Dana L. Farnsworth, Other lirectors are: Dr. Daniel X. Freednian, Professor and Chairman, Department of Psychiatry, University of Chicago; Dean Charles O. Galvin, Southern Methodist University School of Law, Dr. Louis Lasagna, University of Rochester School of Medicine and Dentistry; Dr. Howard P. Rome, Mayo Clinic: Dr. Maurice H. Seevers, Professor and Former Chairman, Department of Pharmacology, University of Michigan; Dr. Chris Zarnfonelis, Director, Thomas Heary Simpson Memorial Institute, University of Michigan.



DR, KARCH



DR. LASAGNA

tions, a method for assigning a reaction caussily to a specific drug, as well as the use of control groups, stratifications of populations and quantification of the benefits derived from drugs.



Student nurses, 1,800 strong, recently braved a snow storm and temperatus In the 20s in Albany to protest New York Governor Hugh Careys part, that the combination of the abortion shul down a dozen nursing training programs at sinte hospilals.

### Panelists Disagree on Issue and environment for dec emotionally-loaded issues. Of How Much to Tell Patient

a psychiatrist, an internist, and a surgcon expressed sharp differences uf

Although puncl members concentrated on the problems of the dying patient, the moderator, Dr. Ell A. Friedman, Professor of Medicine, touched on the question of disciosure and information in mure general

"At Believue [Hospital]," Dr. Friedman said, "it has been shown that approximately 25 per cent of nll medications are given in the wrong dose, or at the wrong time, or to the wruntg

"The only protection that the paileni has against being dragged off to the wrong procedure, or having the wrong leg ampulated, or being given the wrong medication," he declared, "is to know what the hell is aupposed to be happening."

Dr. Friedman called for giving the palleal more information in more silualions than any of the other panci members.

"Truth is ool for all people at all times," sald Dr. Benjamin A. Rosenberg, Clinical Associate Professor of Medicine. "You bave to individual-

### Jewish Law Cited

Rabbi Benjamio Z. Kreitman, Visitling Professor of Jewish Law at the Jewish Theological Seminary, lended to agree with this cautious approach. Applying religious law to the problems of the dying patient, Rabbi Kreitman said that if the patient "is n highly inlelligent person with a strong character who is able to withstand any news, then you lead him in confession."

The Rabbi explained that leading the patient io confession is equivalent to telling him that his death is immiaent. Bul confession is not mandalory, and, in fact, is "forbidden" in cases where the patient's peace of mind might be disturbed, he said.

alcoholic patient.

alcoholic patient.

He added, however, that "1 gradies and the patient always also sciously knows that he has a fast necess."

The strictest rule was offered by the country at Comel University 12 for an University 12 fo

Dr. Miller, who has been pures said, medicine for more than 40 years. The Association of Professors in the panel, "I have never had one of Gynecology and Obstetries, meeting in

test to predict relupse io leutenia for vocal minorities imposing their ethitienta in complete remission has be cal positions on medical care, family developed by physicians at M. planning, or abortion on those patients

Anderson Hospital and Tumor leading or doctors who do not hold these posi-Bone marrow cells from 25 at tions."

patients, all of whom were in parently complete clinical results of the complete clinical results of the complete complete remission for a median of 6.5 menths.

Angina Patient Mortality Not Cut by Surgery in a card by Surgery but in the first year.

Among the 70 patients in the surgical and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and five in the first year.

Among the 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgery but six have had a persistent and the other 70 patients in the surgical surgery but six have had a persistent and the other 70 patients in the surgery but six have had a persistent and the other 70 patients in the surgery but six have had a persistent patients, all of whom were in #1

bone marrow cells, remission en grups, age distribution, incidence of a median of 6.5 months.

Dr. Jordan U. Gutterman specific baggs, and coronary arteriographic test minimal residual disease. In the company of the left apparent remission "should specific fraction, and left ventricle the treatment strategy for patients" accordingly an always of the left apparent remission "should specific fraction, and left ventricle the treatment strategy for patients" accordingly an always of the left apparent remission "should specific fraction, and left ventricle specific fraction, and left ventricle specific fraction and specific fractions and specific fractions are specific fractions.

### Reaction to Edelin Conviction: Shock, Dismay

"I have not done anything which

said. "I will continue to do abortions.

ter if they are done in a hospital setting

Indication of possible ramifications

of Dr. Edelin's conviction came

quickly. The District Attorney of New

York's soburban Nassau County,

Denis E. Dillon, said he would in

vestigate a complaint by the Long Island Coalition for Life, an antinbor-

tion group, that n fetus aborted at the

nled "all the ordinary medical means

and reasonable efforts to preserve and

obstetrics at Beth Israel Hospital here.

nant trnit in women of three genera-

tions has been observed at the Uni-

Dr. E. S. Barrow described the

nnomaly to the Southern Society for

Clinical Investigation here, reporting

to auggest that the women are different

from men with hemophilia A except

The most striking abnormalities

found in the Inborntory are a reduc-

tion of Factor VIII to 2-12 per cent of

control values, and a failure of de novo

the mildness of their symptoms.

versity of North Carolina.

Dr. Louis Burke, director of clinical

nu Medical Center had been de-

by someone who is trained."

attorneys.

Continued from page 1

tive against intrauterine infections set off the investigation of abortion prac- viewed by the Boston Trustees of done by hysterotomy. In those cases, tices at the city institution and resulted Health and Hospitals and the city's he told Magical Triaune, "we will in their indictment and Dr. Edelin's.

The four doctors are David Charles, Leon Sabath, Leonard Berman and do abortions if he is permitted. Agnets Phillipson. was illegal, absolutely nothing," he

Attorney Neil Chayet, who will represent Dr. Charles, said that he was very unhappy with the Edelin verdict, They are a woman's right and it is betbut not surprised.
"The thing that troubles me is that

conviction is difficult, based on the evidence, and you begin to ask whether evidence really matters in these cases."

Both Mr. Chayet and Dr. Mitchell Rabkia, general director of Beth Israel Hospital, told MEDICAL TRIBUNE issue a black physician, and the present busing situation in Boston made a bad environment for deciding such

Dr. Kenneth Ryan, chief of staff of Haruld P. Surchia, said that the of the Boston Hospital for Women and Medical Tribune Report

Haruld P. Surchia, said that the life is Boston ricognization from the HEW Commission for a patient be told? A Downstate Medical Center psned consisting uf a rabbi. Nor would Dr. Surchin so infers the Protection of Human Subjects, when the protection of Human Subjects, would Dr. Surchin so infers the Protection of Human Subjects, when the protection of Human Subjects, and that the protection of Human Subjects, when the protection of Human Subjects, when the protection of Human Subjects, and that the protection of Human Subjects, when the protection of Human Subjects, and the protection of Human Subject

he nuthoritarium. I have never tell of one ethical or religious position on patient hu was going to die."

others who do not hold it," Dr. Ryan

Dr. Miller, who has been profes said.

New Orleans, condemned Dr. Edelin's New Test Predicts conviction, voting that "The adversary system of the criminal courts is not the Leukemia Relapse place to define abortion, to define viability, or to define the moral issues of abortion. In our diverse acciety, we Houston, Texas—A fairly will must guard against your jurisdictions

synthesis of Pactor VIII to occur after translocation occurring in a heterozytransfusion, which is traditionally seen gote for X linked hemophilia A; a in van Willebrandt's disease, The proband, first seen at North A locus in the X chromosome, and a Carolina in 1954 at the age of 27, is dominant mutation at a previously unthe only one of the women to have a recognized Factor VIII locus.

acute leukemia."

Dr. Gutterman's co-worken is interested patterns did not reveal any study, reported in the Journal of the patterns.

jected survival of surgical patients after group survivors said 1bey were free of 12 months is 89 per cent, compared to 92 per cent for medical patients.

Information on relief from pain has been obtained by checking the symptomatic state of surviving patients in each group at the time of last follow-

ced a nonfatal myocardial in because of pain and were offered coro- Coroell University.

naln.

Dr. Contl emphasized that the fiedings from the trial, which began in 1972, must be considered preliminary. The study is continuing at the eight participating centers: Johns Hopkins,

CLINICAL NEWS NOTE: "At Bellevue [Hospital], it has been shown that approximately 25 per cent of all medications are given in the wrong dose, or at the wrong time, or to the wrong patient. The only protection that the patient has against being dragged off to the wrong procedure, or having the wrong leg amputated, or being given the wrong medication, is to know what the hell it supposed to be happening," (Dr. Eli A. Friedmon, see page 2.)

Medicine: pgs. 1, 2, 3, 6, 7, 12, 23 

Therapy helpful even if alcoholic still 

Surgery: pgs. 1, 23

Infarctions higher, pain lower in surgical vr. medical angina therapy . . . . 1 M.D.s arged to take greater interest io Hemophilialike Ailment Seen 

Pediatrics: Clinitest tablets found to be pediatric

helicopter .....14

Ob/Gyn: pga. 1, 12, 16, 23 DL-norgestrel, a new progestin found to be efficacious contraceptive .....23 Psychiatry:

Gender at times a product of nurture rather than noture mechanisms have either been excluded

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### Medical Tribune

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880 Third Avenue, New York, N.Y., 10022 Telephona: 421-4000 Circulation audited by Business Publica-tions Audit of Circulation, Inc.

MEDICAL TRIBUNE is published each Wednessley except on April 30, July 30, Oct. 27 and 20 etc. 21, pt. Medical Tribunes 30, pt. 47 etc. New York, NY, 10022, Application to medical extraction rate pending at Vinefact 11, NY, 10020, Students 37.30, Students 37.30.

# Exceptionally well absorbed oral broad spectrum antibiotic may be taken with meals

### Larocin (amoxicillin) achieves high blood and urine levels

### Low incidence of diarrhea to date in clinical studies

NUTLEY, N.J. - Roche Labora-tories recently introduced an oral broad epectrum antibiotic: Larocin (amoxiclliin). Larocin represents a significant contribu-tion to antibacterial chemotherapy, one which will parform ef-fectively in the treatment of a wide range of infactions due to succeptibla organiams (eea chart at right).

### Absorption called the key

The key pharmacologic charac-taristic of Larocin (amoxicillin) is its rapid and efficient absorptract. Not only la it stable in stomach acid, but the presence of food has no eignificant effect on tha antibiotic'a absorption. Thus Larocin may be taken by patiants on a conveniant t.i.d. schedule without regard to maals. The rewithout regard to mans. Ine re-constituted oral suspension and padiatric drops may be added to liquids such as formula, mllk, frult juice or soft drinks for assy

fruit juice or actt Grims for assy administration to amail children. Because of its efficiant absorp-tion characteristics, high blood tion characteristice, high blood and urina lavele of Larocin (amand drina layers of Larocin (amoxicillin) are rapidly achieved.
Peak sarum layers avarage 4.2
mcg/ml two hours after a single
250-mg oral does and 7.5 mcg/ml ona hour after a single 500-mg oral dose — both levels approximately twice as high as those ob-tained with aqual doses of ampi-

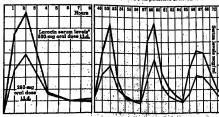
On a multiple-dose regimen, when given every eight hours for 8 days, the lowest meen serum ievels of Lerocin approximated 1.0 mcg/ml efter 250 mg and 1.25 mcg/ml after 500 mg.\* Although the therapeutic renge of blood levels for the penicillins is not well esteblished, these results demonstrate that blood levels mey be expected to remain above nary pathogens susceptible to Larocin when it is administered at clinically recommended doses

Most of Laroein is excreted unchanged in the urine. Average urinary excretion within 6 to 8 thinary excretion within 6 to 8 hours efter oral administration ranges from 40 to 79% for the 250-mg dose and 59 to 79% for the 500-mg dose.1-8

the 500-mg dosa. 14
I. Croydon EAP, Suthorland R: Antimierob Agenta Chemother – 1870, pp.
427-489, 1212. Nun HC, Winhold EdiAntimicrob Agenta Chemother – 1870,
EAR Commission of Chemother – 1880,
EAR Commission of Chemother 1:868
–869, 1872.

### Hypersensitivity reactions can occur

As with other penicillins, it is anticipated that adverse reactions to Larocin (amoxicillin) will be largely limited to eensitivity phenomena. While anaphylaxis is rare in patients treated with oral



GRAM-POSITIVE Alphs-hemolytic streptococci Bets-hemolytic streptococci Stroptococcus faccalis Nonponicilinaso-producing staphylococci GRAM-NEGATIVE Esoherichia ooli Protena mirabilia Noisseria gonorrhocao

### bactericidal activity

Note: Because Larooin (amexicilin)
does not resist destruction by pentolidiameter, it is not absolve against pontoilinass-producing bacteria such as
resitant staphylococi. All stratus of
Pesudomona and most strains of Klobstelin and Entorobactor are resistant.

penicillins, the possibility must nevertheless be kept in mind. Laroch is contraindicated in patients with a history of penicille hypersentivity. SERIOUS ANAPHYLACTOID REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT. (See Warnivers as at 1975). (See Warnings section of com-plete product information, a summary of which appears at right.)

### Efficacy demonstrated in many infections

Amoxicllin has been adminietered successfully to patients with a wide range of commonly seen infections due to susceptible organisms.\* Over-all clinical aval-

ganisma.\* Over-all clinical availation of amoricillin therapy was concidered a "success" or "improvement" in 1287 of 13850 evaluable cases (83.8%). 13850 evaluable cases (83.8%). 43850 evaluable cases (83.8%) available cases (83.8%) are consequently of 13850 evaluable cases (83.8%). 13850 evaluable cases (83.8%) are case of 13850 evaluable cases (83.8%) are consequently as a consequently remaining 550. Dosage of the capsules ranged from 250 mg tid. (the most frequantly used dosego) to a single 8-Gm dose for the treatment of acute uncompilicated genorrhea. Dosage of the crall suppension ranged from 50 mg tid. the most frequent, The majority of patients were treated from seven to 10 days. A breakdown by type of infection follows:

Otitis Media: The pathogon most commonly isoleted wen Diplococous pneumonies at Homophilus influenzas. Of the cases with this diagnostic (93%) were rated as a "success" or "improvement" efter trut-ment with Larocin (amortilla).

Streptoceccal Sore Throat: Streptocecal Sore Throst: A success rate of 86% (174 of 20 cnses) who observed with Lench ngainst the responsible pethecal beth-hemolytic streptococci for great majority of the 202 p-tients in this group were childre who received the oral suspense

Other Upper Respire tory Info tions: Beta-hamolytic strepts cocci<sup>†</sup> were tha offending orga-isms for most of the infection in this group, which were disnosed primarily es pheryngills with some casee of tonsillitism a few cases of sinusitis A success rate of 82% (56 of 68 cases) was achleved with Larocin.

Lowar Respiratory Infections Treatment with Larocin results in "success" or "improvement" in all of the 52 cases in which Diplococcus pasumonias was cal-tured, Staphylococcus aureus wa also cultured in 26 of the 98 cases Lnrocin showad "success" o "improvement" in 96% (25 of 2 cases). The most common dinks

Urinary Tract Infections: Cr titls, pyelonaphritis and asymptomatic bactariuria were the most frequent clinical diagnoss in this group. Of the 404 east evaluated, Escherickia coli wis cultured in 306 cases and trestment with Laroein resulted in "success" or "improvement" in 284 casaa (98%). Proteus miral ilis was cultured in 70 patients with Larocin effactive in 67

Skin and Soft Tissue Infections Staphylococcue aureus was cul-tured in 108 casea, with "euccess or "Improvament" in 104 (96%) while beta-hamolytic streptocod wera cultured in 99 ceses, with "success" in 97 (98%). Impetife and abscess wera tha most frequent dlagnoses.

Gonorrhea: Administered 85 singla 8-Gm oral dose, Laroch ehowed a success rate of 97% in both males (85 of 88 cases) and femalea (114 of 118 cases).

\*Data on Ale, Hoffmann-La Rocht ! Nutley, New Jersey 07110. "Success" or "improvement" sout to termined by a combination of chief and hasterlological orderia. In isle-tions due to beta-hemolytic strephene and N. gonorrhouse, only escession were included.

### Low incidence of side effects reported to date

During the clinical investigation with amoxicillin, all cases treats were avaluated for side effects. No sida effects or laboratory ab-normalities which would be considered unusual for a penicipal derivativa wera reported by any of the investigators.
In 2658 total courses of the

apy with amoxiciliin, therapy was discontinued in only 52 patients

Drug-Related Side Effects Associated with Amoxicillin

Based upon \$558 courses of therapy: 1811 with the capsules and 847 with the oral surpension.

_	CAPSULES			SUSPENSION	
SIOE EFFECT	#	%	#	%	
Diarrhea	24	1.3	10	2.1	
Rash	24	1.3	17	2.0	
Nauaca	7	0.3	1 2	0.1	
Urticaria	e	0.4	2	0.2	
Monitissia	7	0.3			
Nauses/Vomiting	4	0.2			
Diarrhea/ Nausae	3	0.1			
Vomiting	2	0.1	4	0.4	
Dizzinasa	2	0.1			
Colitia	2	0.1			
Nausen/Handache	2	0.1			
Rash/Urticoris	24 7 7 4 3 2 2 2 2 2 2 2	0.1	1	0.1	
Esophageal Spasm	1	0.05			
Otomachacha .	1	0.05	1	0.1	
Balching	1	0.05			
Drowsiness	1	0.05			
Beiching/Numbnass/Tingling/Itching	1	0.05			
Fever/ Itching	1	0.08			
Difficult Sreathing	1	0.05			
Mucua in Pherynx	1	0.08			
Dierrhea/Urticoria	1	0.08			
Diamhos/Vomiting	1	0.05	4	0.4	
Dizzinesa/Headacha	1	0.08			
Conjunctivel Ecohymosia	1	0.08			
G.J. Sleading	1	0.08			
Abdominal Cramps	î	0.05			
Olerrhes/Reah	1	0.05	1	0.	
8ash/Olarrhaa/Vomiting			1	0.	
Sore Tongue			1	0.	
&ssh/Vomiting			1	0.	
TOTAL	102	5.8	52	S.	

(1.9%) because of drug-related side effects. Laboratory abnor-malities possibly related to amoxicillin occurred infrequently.
In these atudies, there was a

low incldanca of diarrhea reported with amoxicillin capsules— 1.7% or 80 of 1811 patiants. Especially noteworthy was the low incidence of dlarrhea reported with amoxicillinoral auspension— only 2.8% or 24 of 847 patients, significantly less (p<0.05) than the incidence of diarrhea with ampicillin oral suspension (5.3% or 15 of 282 patiants).

In breaking down the over-all incidence of diarrhea by age groups, it was found that in the group from 0 to 1 (newborn and tients receiving amoxicillin oral

suepension developed diarrhee, for an incldence of 12%. This represents over one-half tha total number of dlarrhea cases seen in

the 847 patients treated with

amovicillin oral spenension. Throughout each of the remaining age categories, etarting from age 2 to 10 and in the gen-eral grouping from age 11 to 20, the incidence of diarrhea in pa-tients treated with amoxicillin orni suspension ranges from 2% down to 0 in the older groups. There were few cases of diarrhea

beyond the age of aix.
The incidence of diarrhea with Larocin (amoxicillin) can therecancon (amoxicilin) can therefore be expected to be considerably higher in tha nawborn and infant age grups than in older children, which is true of all antibiotics.

### Usual Adult and Pediatric Dosages

NDICATION	ISOLATED	DOSAGE	PEDIATRIC DOSAGE+	
Infections of the eer, nose, throat	Streptococci, pneumococci, nonpsnicillin- ass-producing stephylococci, H. Influenzee	250 mg <u>t.l.d.</u>	Orel Suspension: 20 mg/kg/ day in divided doses <u>t.i.d.</u> Drops: Under 6 kg (13 lbs): 0.5 ml <u>t.i.d.</u> ; 6-8 kg (13-18 lbs) I ml <u>t.i.d.</u>	
Infections of the lower respiratory trect	Streptococci, pneumococci, norpanicillin- ssa-producing stephylococci, H. influenzaa	500 mg <u>t.l.d.</u>	Oral Suspension: 40 mg/kg/ dey in divided doses t.i.d. Drops: Under 6 kg (13 lbs): I ml t.i.d.; 6-8 kg (13-18 lbs): 2 ml t.i.d.	
Infections of this genito- urinary tract	E. coil, Proteus mirebilis, Strep. feacalis	250 mg <u>t.l.d.</u>	Oral Suspension: 20 mg/kg/ day in divided doses <u>t.i.d.</u> Drope: Under 6 kg (13 lbs): 0.6 ml <u>t.i.d.</u> ; 6-8 kg (13-18 lbs) I ml <u>t.i.d.</u>	
infections of the skin and soft tissues	Streptococci, susceptible stsphylococci end E. cofi	250 mg <u>t.l.d.</u>	Oral Suspension: 20 mg/kg/ dey in divided doses t.i.d. Drops: Under 6 kg (13 lbs): 0.5 ml t.i.d.; 6-8 kg (13-18 lbs) 1 ml t.i.d.	
Severe infec- tions, or infections caused by less susceptible organisms	-	500 mg <u>t.l.d.</u>	Orei Suspension: 40 mg/kg/ dey in divided doses <u>t.i.d.</u>	
Gonorrheau scute uncom- plicated anoganital and urathral infac- tions (males and femoles)	N. gonorrhosas	3 grams— single oral dosa		

Before prescribing, please consult complete product information, a summary of which follows:

Indications: Infactions due to eusceptible strains of the following grem-negetive organisme: H. end N. gonorrhoeae; and grampositive organisms: streptococci (including Streptococcus faecalis). D. pasumonias end nonpanicillinsse-producing stephylococci. Therapy mey be instituted prior to obtaining results from becteriological and suscaptibility etudies to determine ceneative orgenisms end susceptibility to

Contreladicatione: In indlvlduels with history of allergic reec-

CORFERENCICIONE: IN INDIVIDUAL CONTENENCIA CONTENENCIA

inci invillation, as indicates Usage in Pragnace; Safaty in pregnancy not established. Prescutions: As with any po-tent drug, assess renal, hapatic and hematopoletic function peri-odically during prolonged thar-apy. Keep in mind possibility of superinfections with mycotic or bacterial pethogans; if they occur, discontinus drug and/or in-

stitute appropriate therapy.

Adverse Reactions: As with other penicillins, untoward reactions will likely be essentially limited to essentially phenomena and ned to eshiptivity phenomena and more likely occur in individuale previously demonstrating peni-cillia hypersensitivity and those with history of allergy, asthma, hay faver or urticarla. Adverse reectione reported as associated rescuone reported as associated with use of penicillins: Gastro-intestinal: Naussa, vomiting, diarrhea. Hypersensitivity Reactions: Erythematous maculopap-ular rashes, urticaria. NOTE: Urticaria, other skin rashaa and

serum sicknsse-like reactions may be controlled with antibiate. minss and, if necessary, systemic corticosteroids. Discontinue nmoxicillin unless condition ie belisved to be life-threatening and amenable only to amoxicillin therapy. Liver: Moderate rise in SGOT noted, but significance uaknown. Hemic and Lumphatic Systems: Anemia, thrombocytopenia, thrombocytopenic pur-pura, eosinophilie, ieukopenis, agranulocytosis. All ere usualiy reversible on discontinuation of therapy end believed to be hypersensitivity phenomena.

Dosage : Ear, nose, throat, genitourinary tract, skin and soft tissue infections-Adults: 250 mg svery 8 hours. Children: 20 mg/ kg/day in divided doses every 8 hours; under 6 kg, 0.5 ml of Pediatric Drope avery 8 hours; 6-8 kg, 1 ml of Pediatric Drops every 8 hours. Lower respiratory tract infectione and severe infections or those caused by less suscepti-ble organisms—Adults: 500 mg svery 8 hours. Children: 40 mg/ kg/day in dividad doses every 8 hours; under 6 kg, 1 ml of Pediatric Drops svery 8 hours; 6-8 kg, 2 ml of Pediatric Drops avery 8 hours. Gonorrhea (acute un-complicated anogenital and urethral infections) - Males and females: 8 grams as a single oral dosa, NOTE: Childran weighing more than 8 kg should receive appropriate dosa of oral suspen-sion 125 mg or 250 mg/5 ml. Children weighing 20 kg or mora should be dosed according to adult recommendations.

Note: In gonorrhea with suspected leaion of syphilis, perform dark-field examinations bafora amoxicilin therapy and monthly sarological testa for at least four months. In chronic urinary tract infectione, frequent bacteriological and clinical appraisals are necessary, Smaller than recom-manded dosas should not be used. In stubborn infections, several wseka' therapy may be required. Except for gonorrhea, continus treatment for a minimum of 48-72 hours after patient is asymptomatic or bacterial eradication is avidenced. Trent hemolytic streptococcal infections for at least 10 daya to prevant acute rhsumatic fever or glomerulonephritis.

Supplied: Amoxiciliin as the trihydrata: Capsules, 250 mg and 500 mg; oral suspension, 125 mg/ 5 ml and 250 mg/5 ml; pediatric drops, 50 mg/ml.

an important contribution to oral broad spectrum antibiotic therapy (NOCHE

SAN FRANCISCO-Even though treatment for alcoholism may not lead to nbstinence, it may have a significant rehabilitative effect, a two-year followup study has shown.

M. I. Kammeier, of the Hazledon Foundation, Center City, Minn., reported at the North American Coagress on Alcohol and Drug Problems that the lives of former patients bave improved, even if they still drink.

In their own evaluation and in that of persons close to them, former patients tend to be positive and optimistic, he said. The majority are happier and feel better about themselves than before treatment, the study found.

Questionnaires were sent to 143

the questioanaires and from persona close to the former patients who could confirm drinking patterns.

Most of the former patients still

former patients three and a half yeara drink, it was learned, but not ao freafter treatment, and data were ob- quently as before. Several, however, tained both from the 73 who returned are drinking more than previously.

Mr. Kammeier noted that most of those who still drank do so in the same places, at the same time, and with the same beverages.



In this age of synthetics you can choose a <u>natural</u> vegetable laxative

Senokot tablets granules



### EDITORIAL CAPSULES

. . brief summaries of editorials a comments in current medical and scientific lournale

### On Virginia Apgar

" . . . Despite her fame from the Apgar score, she never anticipated that her name would become part of it. Nor was she defensive shout it. I someone were to suggest that the scoring system had outlived its meldness or should be revised, she work be the first one to agree.

"She had an extraordinary ability to ferret out the essentials and to ou into the core of a problem. She was the first person to catheterize the unbilical artery in a newborn infant ... the whole area of newborn intensive care would not be where it is tolar were it not for Virginia.

"She achieved her greatest visibility in later years in her drive to educate the whole country about the aced for early detection of birth defects. She almost never turned down as invita tion to spenk, no matter how small or insignificant the group, and her like became one long juggling act to it speeches and site visits, professional consultations and chapter meeting medla interviews and internation congresses into her impossible scholule. She was the finest ambassada The National Foundation ever had Undoubtedly, she lifted birth defects from a secret closet and put them firmly on the map. . . . " (Commentary, L. Stanley James, M.D., Pediarks 55:1 Jan., 1975)

### Home Care Ignored

"Health cure professionals, thirdparty payers, and government officials continue to extol the advantages of home care. Despite all the lip-service, however, we are unlikely to witness any rapid overall expansion. Even where some support is now available as under Medicare, the relative use of home care continuea to decline year by year. For example, during 1969 there were 628,543 approved claims for home health services. . . . By 1973, the number was down to less than 400,000 (based on the first 6 months' experience).

"The reasons are not mysterious Most physiciana are not interested in chronic illness. Most are not interested In home care, even if the visits are actually made by nurses. Most hos pital administrators today are prima ily concerned with keeping their expensive beds filled. And most third party payars, public as well as privats, are primarily concerned with keeping the physician and hospitals happy or at least off their backs! Even the national government admialstration cians and hospitals for rising costs, it onwilling or unable to exercise the leadership involved in a real reorder ing of national health priorities awa from Inpatient care toward the kind of program described by Dr. Brickner [Ann. Int. Med. 82:1, Jan., 1975] (Editorial, Anne R. Somers and Nancy H. Bryant, R.N., M.P.H., Ann. Int. Med. 82:111, Jan., 1975).

### 'Blues' Battle for Lives Against US Takeover Continued from page I

and physicians.

Back in October, Blue Cross Associstion president Walter McNerney announced a seven-part strategy to curb hespitalization costs which all member plans were urged to adopt by July 1975. Although the announcement is certainly timed with an eye townrd public relations-in fact, none of the elements are new-it does mark the first time such a bald, adversary position has been articulated at the national

Among the stipulations: that hospitals negotiate their prices in advance; more striageat use of utilization review of hospital admissions and stays to make sure every patient gets no more care than needed; requiring independ-eat additors and full and regular disclosure by hospitals of their cost and accounting methods; and mandatory measures to prevent duplication of facilities and services.

Prospective reimbursement - the main thrust of the program—has been voluntarily adopted by hospitals in only 15 plans so far, although some plans have had aeveral years experience with the technique. Blue Cross-Blue Shield of Greater New York, for example, has used prospective reimbursement since it was mandated by state law in 1969. Dr. Peter Rogatz, plan senior vice president, calls the technique "the main tool is increasing hospital efficiency because the agreed upon rate "is what it would cost that hospital if it were operating at an efficient level. They won't get higher than that specified level from us."

Prospective reimbursement has a built-in incentive-penalty mechanism which works somewhat differently in different plans, "If the hospital is able to bring the coat in lower," explains Robert Schuler, vice president of Blue Cross of Western Pennsylvania, "It can keep half of the savings. If the costs run over, the hospital is relmbursed one-half of every dollar that goes over the prospective payments."

### **Efficacy Questioned**

Bot questions have been raised about the efficacy of prospective reimbursement. "If the problem of rising hospital costs were primarily one of inefficiency nce, cost incentives and penalties would be a helpful reform. writes attorney Sylvia Law, principal author of Blue Cross: What Went Wrong? "The basic issues in cost control are questions of priorities, allocapower to make these judgments. New York's Cost Control Act does nothing to affect these issues. Hospitals retain to limit the increase in costs in any Way they see fit "

Bot the Blues are attacking cost and quality control problems from a num-ber of different angles at the same time and, ultimately, their efforts will have to be evaluated cumulatively.

At the top of the list will be their

evelopment of Health Maintenance Organizations. Blue Cross currently tallies 53 HMOs that It has helped launch and expects to expand that num-

Meanwhile, Blue Shield boasts 17 op- henefits and transfer rights is willing

cept has drawn the accusation from

Such enthusiasm for the HMO concept has drawn the accusation from

But the Blues have plenty to learn. some quarters that the Blues are mov- When the carriers attempted to market ing to dominate the HMO market. three HMOs alongside their own plan "That's obviously not our intent," in Rochester, N.Y., initial enrollment Walter McNerney snaps. "The HMO for the trio was a meager one per cent is a very important alternative in the of the market rather than the anticimarket place and we want it to be pated 20 per cent. there. We're sick and tired of every-body talking about HMOs and nobody

The problem: Not only was the standard coverage excellent, but the doing them."

The prospect of the Blues dominating by default is not any more advocacy. "Since we added a supplealatable to some observers lika Duke University Law Professor Dr. Clark Havighurst who thinks participation of health insurers in the HMO movements should be banned entirely. Quoted in Blue Cross: What Went Wrong?, Dr. Havighurst expressed fear that the Blues "might in some communities come to sell the bulk of the health insurance while also controlling the major HMO and reinsuring the competing HMOs against excessive

### Rochester, N.Y., Situation

In fact, in Rochester, N.Y., the Gennessee Valley Group Health Association, developed by Bluc Cross/Blue Shield, with a \$3 million health center, financed with Bluea' reserves, "competes" with Health Watch, sponsored by the county medical society, and the Rochester Health Network, an associa tion of community health centers, both of which are underwritten by the Blues. In addition, the Blucs controlled 85 per cent of the market with standard coverage prior to the HMOs' advent.

Since the HMO law stipulates that employers must offer HMOs if available as an alternative form of health coverage, the question has been raised of whicther n Blue Cross HMO and n Blue Cross insurance plan offered side by side meet the employer's obligation. Dr. Havighurst thinks not. "It's not really an option," he says. "The pur-pose behind the law was to stimulste more competition. I would hope that the HEW regulations on HMOa clarify whether the employer can get by with these two choices."

But the employer may have little alternative. Private enterprise has been discouraged from entering the HMO market, some claim by the Blues them-selves. In Philadelphia where Blue Cross serves as the underwriter and fiscal intermediary for one HMO and has a close working relationship with another, Dr. Newton Speacer, Chairman of the board of Health Service tion of resources, and allocation of the Plan of Pennsylvania, a nonprofit corporation attempting to develop HMOs, claims obstruction by Blue Cross Including efforts to dissuade labor from unfettered freedom to effect savings or switching over, and steadfast refusal by the carrrier to work out a cooperative arrangement on hospital insurance.

More generally, private enterprise is hampered by lack of access to markets, the need for a tremendous amount of capital and the pressures of a business that can't afford to grow alowly.

that can't afford to grow allowing.
"HMOs aren't going le get off the
ground," prodicts Walter McNerney,
"nnless someone with our marketing expertise, conlacts, and core of admin-istrative people who know the health

ber to 280 by the end of the decade. field and how to deal with out-of-aren

three new plans were marketed in a aeutral, disapassionate way without any mental marketing force to push our product," relates Dr. Harold H. Gardner, Medical Director of the Genesee Valley Group Health Association, "aales have been going very well."

The Bluea are also learning things about marketing the concept to physicians. Although the carriers say they do not favor ane form of HMO over another, it is clear that the most appealing to doctors in the foundation, open-panel type, "This does nothing to solve the access to care problem or come to grips with increased physician productivity," criticizes Leo E. Suycott, president of Blue Cross of Wisconsin, which has developed two closed-pane HMOs that have had so much difficulty with physician acceptance that Blue Cross is holding the line on development of any more HMOs until the problems can be worked out.

### Open-Penet HMO Model

A major obstacle is the fact that Wisconsia is the showcase for what Blus Shield calls its Individual Practice Association model, an open-panel HMO with a combined capitation and fee-for-service system, with 20 locations which has attracted 97 per cent of the physicians in 22 counties and a

nlp of 63,000. "We feal lhis will have the most physician accepiance," snys participal-ing internisi Dr. Binka Waterhousa who ing internial Dr. Binka Waternousa who
is promoting the Health Maintonance
Plan meand the country. "It has the
best chance of making an impact on the delivery system. Il's very much a pallent-oriented program. It continues patient-oriented program. It confinues lo provide quality eare without sacri-ficiag may freedom of the puttent to select, reject or changa physicians." Then too, the fact that the driving force behind it is Blue Shield rather

than Blue Cross may have something to do with it. "In Blue Shield aponsored HMOs," Len Caramela, Blue Shield's Director of Alternative Delivery Systems, feels, "there is greater potential for physician acceptance."

The Wisconsia plaa, some observers feel, is the answer to the long-standing problem of third party financing of routine office visits. "We have found that the physician is not really opposed to accepting third party money for primary care," notes Roger Graham, former director of research and plannormer uncour of research and plan-ning at the Wisconsin Blue Shield plan. "What he is really opposed to is the idea of being employed by aome arbi-trary putside institution."

At one time, according to Anne R. Somers, Associate Professor of Comsomers, Associate Professor of Com-anulty Medicine at Rutgers Medical School, the Blues felt that HMOs would save the private sector from



Mobile Isolator

A ministure space ault, developed by NASA, is being tested as a pro-totype of an isolation garment that may allow immunity-deficient children to leave their sterile habitats for a look at the outside world. Filtered ventilation is provided by batterynowered blowers on an accompany

annihilation or restriction at the hands of national bealth insurance. "They thought that if you could build competition in and get more managerial efficiency while keeping costs down, that there wouldn't be as much of a push for national health insurance," sbe explaias.

Now the Blues see HMOs in a dif-ferent context. "They might provide incrensed access once N.H.I. is a reality," speculates Mike Henry, Director of Alternative Delivery Systems for Blue Cross. "Considering the tremendous demand for services, HMOs can provide a higher level of access to care than can the regular system under this

### Rote for Private Sector

That's assuming that national health insurance will prescrive a rola for the private sector. Prof. Somers thinks it should. "But," she adds, "a limited role." Some of the controls she would like to see enacted are minimum benefits standards, mandatory ambulatory covarage, and procedural safeguards for the insured with an appeals mechanism for rejected claims

'By devising n plan that has universal coverage but retnina soma controlled competition among a limited number of the better private carriera,' she says, "I think we can have the best of both worlds. And I think II will come some day."

### **Botulism Outbreaks Rise**

Medical Tribune Report

ATLANTA, GA .- Twenty outbreaks of foodborne botulism, involving 30 cases, were reported in 1974, the largest number of outbreaks siace 1935, according to the Center for Disease Control.

The C.D.C. aald the rise was proba bly related to an increase in

Apresoline...where that ion is in treating hypertension

Apresoline lowers blood pressure by exerting a peripheral vasodilating effect through å direct relaxation of arteriolar smooth muscle.



## An antihypertensive idea whose time has come

Doctors who treat hypertension are increasingly interested in the one oral drug that has a mechanism of action exclusively its own—Apresoline.

Apresoline is in an antihypertensive class by itself because it reduces
blood pressure through a unique mechanism. Acting at the ultimate site of
hypertension, it directly relaxes arteriolar
smooth muscle to decrease peripheral
vascular resistance and arterial pressure.
As blood pressure falls, there is an accompanying rise in cardiac output and rate.
Apresoline also maintains or increases

renal and cerebral blood flow.

Apresoline minimizes postural hypotension

Nickerson' describes the action of Apresoline as follows:

"A preferential effect on arterioles, as compared to veins, allows the increase in cardiac output and minimizes postural hypotension; the latter is much less than that produced by agents blocking sympathetic nerves."

## Apresoline avoids side effects associated with other agents

Such untoward reactions as drowsiness, lethargy, sedation, sexual dysfunction, and exacerbation of mental depression are not usually encountered with Apresoline. However, as with any antihypertensive agent, hydralazine should be used with caution where advanced renal damage exists.

## Apresoline helps tailor the regimen to the patient

When Apresoline is added to an existing antihypertensive regimen, it introduces a different and complementary pharmacologic approach to the control of your patients hypertension.

Apresoline thus affords the physician a variety of combinations with which he can construct regimens more closely moded to individual requirements. According to Freis, such a combination of drugs, each with a different antihypertensive mechanism, is the most effective way to control blood pressure. This may also permit lower drug dosages.

Apresoline lends itself admirably to the contem-

Apresoline lends itself admirably to the contemporary antihypertensive rationale and its therapeutic goals: more vigorous and more effective control of blood pressure through a plurality of mechanisms.

## Apresoline: used effectively in the VA studies

Apresoline was one of the three basic drugs used in two published VA cooperative studies.44

References 1, Hickerson M. Antipportantive sign is and the drug therapy of injunctioning in Hickerson M. Antipportantive sign is and the drug therapy of injunctioning in Geodman IS, Gilman A deals; The Pharmacological Basis of Thompaulica, 44, New York, The Meantillan Company, 1970, p. 729, 2, Freits ED; Hyperiansion a controllebig disease. Clin Pharmacol Ther 13:627-632, 1972, 3, Efficies of treatment on morbidity in hypertenations. Results in patients with dissellic blood pressures everging 118 through 129 mm Hig. Velorena Administration Cooperative Study Group on Artitrypertenative Agents. JMAA 202:1028-1034, 1957. 4, Effects of treatment on morbidity in hypertenation in Hig. Velorena Antipportantive Agents. JMAA 203:1028-1034, 1957. 4, Effects of treatment on morbidity in hypertenation in Hig. Velorenas Antipportantive Study Group on Antihypertenative Magnets. JMAA 233:1145-1152, 1970.

Next page: Apresoline (hydralazine) and the Hypertension Task Force

Apresoline hydrochloride (bylralaxine hydrochloride)

MANUAL TOWNS

Recorded hypotransion, alone or as an adjunct
CONTRAINMENTATIONS

Hypotransit Mity, coronary artary disease, miliral
WARNINGS

WARNINGS

Chronic administration of doses over 400 ms per
day may produce an artifitibility switchment services.

Ing to a clinical picture, simulating acute systemic places and the state of the st

hase in Prayatest the drug should used only when, in the judgment of the physical and desmed assential to the children of the period, see children in supposted corprays arises or see children in supposted corprays arises or sections and advencement, creatival various activities, and advencement, creatival various collecting, and advencement, creatival various property or corp. And the surray. Product and plenging the court and the surray. Product with the company of the contraction of the arisest and and productive to progressive the company of the contraction of the progressive the contraction of the contraction of the management of the contraction of and addition of pyridoxine to the regimes are items operation. So that the properties of the properties of the pyridoxine and properties of the pyridoxine and properties of the pyridoxine and properties are when beard consistent and properties are when beard consistent and pyridoxine and py

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Tablets, 100 mg (pasch, dry-coaled); bottles of Consult complete literature balors prescribing. CIBA Pharmaceutical Company Division of CIBA-GEIGY Corporation

CIBA

## Apresoline...

# part of the Hypertension Task Force "plan of action"

In September 1973, Task Force I of the National High Blood Pressure Education Program recommended a series of antihypertensive regimens for groups with hypertension ranging from mild to severe. Hydralazine—used in combination with sympathetic-inhibit-ing and/or diureric antihypertensive

agents—was a specific recommendation for "second step" and "third step" therapy in patients with diastolic pres-sures ranging from 105 to 140 mm Hg. Hydralazine played a prominent role in the Task Froce regimens' be-cause of its compatibility with almost any anythyretralius menine. For any antihypertensive regimen. Fo

Apresoline can be combined advan-tageously with nearly all directics and

. Report of Trak Force I, National High

Group 1 Group 3 Recommended Therapy for Mild to Severe Step 1 Hypertension 1 Step 2 Step 3

Apresoline [hydralazine] ...acts directly at the ultimate site of hypertension ... brings something special to almost any antihypertensive regimen

The Only Independent Weekly Medical Newspaper in the U.S.

**Medical Tribune** 

### Overmassage of Raw Data

vancement of Science, Mary L. Good, few Ph.D., Boyd Professor of Chemistry at the University of New Orleans and o director of the American Chemical Society, referred to the overmassage of raw data by computer techniques. She was speaking at a symposium on "Rebilities in the Use and Misuse of Scientific Data" and, in this instance, stated that some "currently utilized data reduction techniques ore so intricate and complex that there is nu doubt that in many cases dato is synthesized and/or expanded beyond its reasonable expectation values by such computer techniques. It gets increasingly difficult to determine whether nuthors are reporting hard data or calculeted data.

But even when data has not been calculated by computerized reduction techniques, it is not necessarily "hard." At the same symposium, Bernard I., Oser, Ph.D., former chairman of Food & Drug Research Laboratories, Inc., noted that "scientific dato" in the strict sense means "observations and findings, which are generally expressed in aumerical or descriptive terms." He then went on to observe that "even when correctly reported, 'data' are not necessarily equatable with 'fnets.' Implicit lo the latter term are the accuracy and reproducibility of findings sad the competence and integrity of those responsible for the design, ex-ecution, and interpretation of the studies. Validity of the conclusions may depend on such critical factors as whether the right questions were conditions

T THE 141st annual meeting of the whether incasuring devices or rengents A American Association for the Ad- were properly culibroted, to name n

So dato, even observed measurements, is not necessarily hard, and no necessarily fact. Dr. Oser adds that "It is not uncommon, however, that dif ferences found to be statistically significant on the basis of some arbitrary standard of comparison are intuitively believed to be unreasonable in the indement of experienced investigators."

The distilusionment expressed by many scientists obout the commun mis use of scientific dotn was surely the stimulus for holding the symposium at the AAAS meeting. Dr. Good was disturbed by n failure "to clenrly distinguish between scientific dota which has been enrefully measured or calculated and the opinions that we may have as tu the significance of partlen results to the public welfare." She emphasized that factual findings are repentable by other workers but that interpretation of that data in terms of its impact on society" is often debutoble ond subject to contrary emphases and opinions.

It is important to focus on the creditability of published data, on confideuce limits and the linzards of drawunrealistic conclusions. It is important to do so not only in regard to warnings about impulnent hazards to our external macrobiosphere but also with regard to our internal microbiosphere as well. There is also the linz ard that well-intentioned crying of wolf repcutedly-where there is no real wolf at hand-will ultimately create incredssked, whether appropriate experi- ullty and disbelief when warnings are were used, and warranted and rational,

### Anonymity

PROPOSAL OF extraordinary merit A PROPOSAL OF extraordinary was recently mode in the correspondence section of Nature. The letter writer suggested that "the best way to obviate the misuse of the unilateral extend anonymity to authors as well. When the reviewers get a paper from the editor but have no idea who the authors are or what their affiliation is, they would find less pleasure in making unnecessary and uncivilized remarks. In addition, the reviewers would be able to jodge a paper more justly and without prejudice."

So far, so good. But the letter writer took a giant step further and added "that all papers be not only reviewed but also published anonymously." He felt that this would reduce the number ancaymity granted to reviewers is to of unnecessary publications, diminish the "status" of being a prolific writer etc., etc. But, doubtless, with that fatal additional proposal, he placed the kiss of death on his primary and mento-rious suggestion. In effect he was requesting that scientists be saints or intlike when, at best, they are human.

What is more, the letter itself was slened, easting doubts on the writer's

### Unstable Angina

with unstable angina may be the same College of Cardiology, see page 1.)

CLINICAL QUOTE: "A logical corol- as for patients with stable angina-libry from these observations is that that its, the relief of symptoms." (Dr. with univash) for surgery in patients C. Richard Conti, et al. at American



Reviewing Pension Reform
The article entitled "Pension Re-

form" by Charles Billman (MT, Oct. 2), includes a statement that is completely different from everything we have heard so far. It is so important a neisstatement that I urge you to correct t immediately.

He states "The provisions that have

the greatest impact on pension and profit sharing plans of professional

The differences between pension plans and profit sharing plans are cnormous and the law applies only to pension plans. The law does not place the restrictions on profit sharing plans that he lists.

Unless he has information not available generally, perhaps it would be well to tell your readers what the situation really is in this important matter.

WILLIAM F. POLLOCK, M.D. Surgical Medical Group of Santa Monica, Inc. Santa Monica, Calif.

In general, Dr. Pollock's thesis is ct. in that most of the provisions of the Pension Reform Act of 1974 do. In fact, relate to pension plans, rather than profit sharing plans. However, he is Incorrect if he assumes that the Act does not impose new regulations with

respect to profit sharing plans.

Act Section 3 (2) defines an "employee pension benefit plan" or "pension plan" to mean "any plan, fund, or program which was heretofore or is hereafter established or maintained by an employer or by an employee organization, or by both, to the extent that by its expressed terms or as a result of surrounding circumstances such plan, fund, or program provides retirement ocome to employees, or results in a deferral of income by employees for periods extending to the termination of covered employment . . .".

Therefore, the provisions of the Act do, in fact, enure to profit sharing plans as well as pension placs. Dr. Pollock should be advised that most of the troublesome provisions relating to fund-ing, pension termination insurance, actuarial reporting, etc. do not apply to

profit shariog plans.

Those provisions which do directly apply to all plans, including profit sharing plans are: reporting and disclosure, participation and vention; fiduciary responsibility; administration and en-

LETTERS TO TRIBUNE istration and information; and pro-

> We certainly hope that the above clarifies the opplication of the pro-visions of the Employee Retirement Income Security Act of 1974, with respect to profit sharing plans. It is our opinion that all professional corporations should review their existing pension and profit sharing plans in order ghly review the amendments which MUST be made to all qualified retirement plans.

CHARLES R. BILLMAN President, Certified Plans Newport Beach, Calif.

### DWI and Penalties

Re your article on drinking drivers (MT, Nov. 6, 1974): As one who is concerned about the whole problem of alcoholism it seems to me after convic-tion, and in addition to other penalties, the car drivan by the individual under the influence of alcohol should be impounded for several weeks. Impoundment could be applied to persons driv-ing under the influence of drugs, or riving when license has been sus-ended.

Oklahoma has a law confiscating vehicles of persons convicted of poaching. Howover, the lawyers on the legislative council were cool to impounding cars for DWI (driving while intox-

> ROGER REID, M.D. Ardmore, Okia,

### H.E.W. Money-Saving

Your full page excerpts of Con-ressman Flood's talk at the Lasker Medicol Research Awards Luncheon on "The Health Crisis In America Today" (MT, Dec. 11, 1974), winds up with the excellent invitation to advise him and his Sub-Committee on Labor and H.E.W. on ways for them to save

I therefore suggest to Congressman Flood—and his Subcommittee—that billions of taxpayers dollars can be saved by removing the Ill-conceived Department of H.E.W. from our Public Laws because it has no legal basis for its existence under the Constitution

A. G. BLAZEY, M.D.



slaughter, the Commonwealth of Mas- tions at the city bospitul increased sachosetts reflected the angry pressures markedly, and then, in June, the bulk of the antiabortion forces in the state. of physicians willing to do abortions Similar efforts are underway in other states as militant "right-to-life" groups seek legal status for the fetus, in order hospital in July generally refused to to discourage M.D.s performing abor- perform this service. Nine of the 13 tions by making them subject to pos-

target for Boston antinbortion groups, teresting. As chief resident on the Boston University obstetries and gynecology unit special three-bed saline abortion unit at Boston City Hospital, he and un-other physician had been doing most within the hospital to handle second semester abortions as expediently as of the second trimester abortions there possible.

When the Supreme Court handed

In accusing Dr. Edelin of man-number of women requesting aborfinished their training and left B.C.H.

The new residents who came to the were Roman Catholic and presumably sible murder charges. had moral reservations. In addition,
Dr. Edelin appeared to be a natural the procedures are considered uninhad moral reservations. In addition,

As a result, Dr. Edelin set up a

In a talk be gave before the trial



Contratndications: Sovere cantral nervous system depression, cometoes statos from ony ocuse, hypertensive or hypotensive heart disease of

exturns orgre:

Warnings Administer cautiously to petints who have previously exhibited
a hypersonality reaction fig., blood dysersains, leandled to phenethialeast These blackness are capable of petentiating central nervous exhibitions are capable of petentiating central nervous exhibitions are considered and the peters of the control of the contr

Prescutions there have been infrequent reports of laukagenia end/or agranutocytosis and convolves solutions. In policytic period convolves and interfection between the control reports and produced above methods (Figenhary Horlogopthy may be made to the control of the control

should be used only in savor narrosychiatric conditions. Advance Recolorus Canterl Servers System—Corputaces, sespecially with integrations and their cytric desay, early in Irastomet, infraçountly, passionaries, the properties of meeting, burner of when consideration properties of properties of meeting, burner of when consideration and professive deems, Self-Demander of the control of properties of prope

ammenthe, imbilition of eleculation, and particulared advantable, imbilition of the circular laye, photosynchicy, Cardinacarios, Units and chin organizare of the articular laye, photosynchicy, Cardinacarios, Units and Cardinacarios, Cardinacarios

TIGALS, EAST HANOVER; NEW JERGEY 07836

Dr. Edelin testified be would have hel to twist nwkwardly while keeping his band in patient's uterus in order to watch clock for 3 mln., as stale said.

began, bu said that for some time he had felt under scrutiny by Massachu-

setts antiabortion groups.

Coincidentally in June, 1973, an article appeared in the New England Journal of Medicine describing research at B.C.H. on the efficacy of cor tain antiblotics in passing the places-

Local antiabortionists immediately brought the article to the attention of the Boston City Council and demanded an investigation of the fetal research at the city facility.

### Administrative Oversight

During his investigation, Assistan District Attorney Newman A. Flans gan received two anonymous telephone calls, informing bim that two fetuses wore being held in the B.C.H. morgoe.

Both had been aborted in October by Dr. Edolin and, due to what was apparently an administrative over-alght, they did not have death card-

ficatea as required by state law.

Mr. Flanagan deelded to include Dr. Edelin in his investigation. He found that the fetuses were approximately the same gestational age and weight one had been aborted by salian in fusion, the other by bysterotomy.

Mr. Flanagan concluded that there was nothing incorrect about the fetus aborted by saline process because it bad no chance to survive. The fetus delivered by bysterotomy, he concluded, was large enough to have been viable and its death implied criminal wrongdoing.

After aeveral more months of in vestigation (MT, April 3, 1974) and a lengthy grand jury bearing in early 1974, the four physicians involved in the antiblotic research were indicted under an 1814 grave-robbing statute Dr. Edelin was indicted for manslaughter.

He was not charged with illegal abortion. He was accused of causing a viable fetus to suffocate during th performance of a bysterotomy.

Dr. Edelin outlined what happened in the abortion this way in his testimony: In late September, 1973, a 17year-old black woman came to the ob/gyn outpatient department at the hospital requesting an abortion. According to the date of her last menstrual period, she was approximetely

18 weeks pregnant; examination by he was forced to grasp the fetst legs several of the house staff put the ges-tational age anywhere from 20 to 23 with hie fingers and withdraw it, he told the court.

Dr. Hugh Holtrup arranged for her admission for abortion by sulinc inbent, found none, and passed it to a fusion; she was introduced to Dr. busin held by the scrub technician be-Edelin because he would be supervisfore turning his attention back to his ing the infusion.

Dr. Enrique Gimenez-Jimeno hud also examined the young putient when she was admitted and he found the fundus to be four finger breadths above the umbilious, making her 24 weeks pregnant, he believed.

the trial as the prosecution's star wit-ment in support of its request that the ness. A native of Mexico and a resident on the ob-gyn staff at B.C.H., he snid he is sympathetic to the Rightto-Life movement, and refuses to do abortions.

He testified that he "couldn't believe" Dr. Penza and Dr. Edelin were The defense opened its case with the going to abort a fetus he thought might be viable, so he made a point of ob-ant to the stand as its first witness. serving the hysterotomy.

He told the court that he saw Dr. Edelin insert his "entire hand" into the uterus and make the vigorous motion designed to detach the placents. "Then," he said, "with his hand still inside the uterus but not moving, Dr. Edelin waited for at least three minutes" while watching the operating room clock across the room.

If the fetus had been alive, Dr. Gimenez-Jimeno said, this would have prevented it from breathing.

After the three minutes had passed, he said, he caw Dr. Edelin remove the placenta and the baby," which showed "no aigns of life."

This was the testimony on which the Commonwealth built most of its

Is One of Shock and Dismay

move "all the products of conception" This didn't work, the anc broke, and case,

Gestation '20-22 Weeke'

Severat days later, on October 2,

where Dr. Edelin exnmined her.

the patient was admitted to the snline

He testified that he "found the fundus

one finger breadth above the umbiti-

cus," and from this he estimated ges-

In trying to insert a needle into the

amniotic cavity as n preliminary, he

repeatedly drew blood. From this he

made a presumptive diagnosic of an

anterior placenta, ao he tried to insert

the needle from another point in the

At this point he consulted with Dr.

James Penza, co-director of the unit.

Dr. Penzs aaid he would try to start

an infusion the next morning in the

operating room; if he failed, Dr. Ed-

elin would then proceed to do a hys-

Infraton Attempts Fati

Dr. Penza's infusion attempts did

fail and Dr. Edelin went ahead with

the surgery. To avoid the placenta he

chose to make a small, vertical incision

He testified that the incision was

three or four centimeters, or just wide

enough to accept two fingers, which he

used to sweep along the walls of the uterus in an effort to loosen and re-

tion, implies the death of the fetus.

enough to be viable.

as low into the uterus as possible.

tation at 20 to 22 weeks.

abdomen, with no auccess.

MROICAL THIBUNA

All together, the Commonwenlth called 14 witnesses in the effort to establish that the fetus was of a weight Dr. Edlin testified that he checked and gestational age to be visble, that the fetus for signs of life and heart- it took n breath, and that birth actuslly takes place when the placenta is detached and the fetus is on its own.

Cross-examination by defense at-torney Homans found that at least five of the prosecution witnesses were involved in the anti-abortion movement.

After the prosecution rested its case on January 29, the defense presented Dr. Gimenez-Jimeno appeared at a long and carefully researched argujudge make a directed verdict. The basis of its argument was that the Commonwealth had not produced sufficient evidence that the fetus was viable to overturn the "live birth" rule.

Judge McGuire denied the request.

Dr. Edelin contradicted sharply some of the statements made by Dr. Glmenez-Jimeao. Asked by Mr. mans shout the placement of the clocks in the operating room-which hie colleagun had accused birn of watching for three minutes-Dr. Edelin replied that the clock and timer were on the wall behind bim.

However, he sdded, "both of them had not been working for some time; point In fact, to the best of my memory, they may have been out for repair

He also explained that the anesthesia hook-ups dictated that a righthanded physician would have to at and with his back to the clocks.

Sweeping the accumulation of text-books and notes from the long oak table used by the defense, Mr. Homana asked Dr. Edelin to demonstrate for the jury the position he would have **Reaction to Edelin Conviction** had to take to watch the clock as Dr. Glinencz-Jimeno had testified, if his

left hand was in the uterus. To peer at the clock, which according to his testimony and photographs was behind his left shoulder, Dr. Edclin had to twist his body awkwardly away from the patient and crane his

### Whether Alive at Abortion

In his cross-examination, the aa-istant district attorney pressed the phy-sician on the matter of whether or aot the fetus was alive at the time of abortion. The physician said he had registered a fetal heartbeat of 140 three days earlier but did not eheck

or heartbeat just prior to surgery. Finally, Mr. Flanagan asked the young obstetrician whether or not be had a duty to protect the life of the fetus in an abortion.

His first duty la to the mother, not tha fetus, Dr. Edelin replied. He said that attempting to save the life of a fetus he considers unable to survive is contrary to the purpose of abortion

An obligation he might have to the fetas could only begin after its removal from the nierus, he told the court. "If in the eveniuality that I ever delivered a liveborn fetus, then I would see that it was taken to the nursery. That has always been my philosophy."

Under further questioning, the obatetrician asserted he had never performed an abortion when he believed



the fetus might be viabln. "In fact, have refused to perform auch abo

After Dr. Edelin, the defense calls 15 more witnesses, 10 of them widel known as experta in their fields, t dispute the prosecution case point b

Dr. Gimenez-Jimeno's testimony about the clock-watching episode was contradicted by the nurse and the medical student who had assisted at the hysterotomy.

Two pathologists, Dr. Kurt Benirschke, Professor of Reproductive Mcdicine, University of California, San Dicgo and Dr. Arthur Hertig, Professor Emcritus of Pathology, Harvard, testified that on the busis of their microscopic examination of the fctal lung tissue the fetus never breathed air outside the uterus.

Experienced obstetricians, including Dr. R. Gordon Douglas, coauthor of "Operative Obsteirics," and Dr. Jack Pritchard, coauthor of "Williams on Obstetrica"—both texts used by the prosecution as refurences—testified that Dr. Edelin performed a routine hysterotomy according to good medlcal practice.

Dra. Douglas and Pritchard and other expert witnesses also supported Dr. Edelin's testimony that in an abortion the primary obligation of a phyalcian is to the patient, not the futus and aupported the defense argument that abortion, by definition, imply the death of the fetus.

Dr. Jeffrey Gould, director of neborn services at B.C.H., called by ie defense, told the court that in his onlon, the fetus was not of sufficient gestational age to live on its own Except in rare instances, he said, visility occurs at about 28 weeks and 000

The prosecution had placed the weight of the fetus at 700 gams, based on an autopay performed ly the county medical examiner four nonths after the abortion. Defense testmony put the weight at 600 grams, based on the examination of the B.C.H. pathiogist hours after the abortion.

Disorderiv behavior. sudden chonges in mood...impoirment of orientation

Mellaril helps caim the agitated garistric petient, it not only reduces agitation but elso diminishes anxiaty, sociament, end hypermolitly. Of course, neurologic defict cames be repaired, but the petient with senile sychosis due to organic brain syndrome cen frequently obtain meaningful symptomatic relief with Melleril,

for the agitated geriotric with senile psychosis

TABLETS: 50 mg, thioridazina HCI, U.S.P.



no murder, but if the childe be born they requested a directed verdict for alive and dyeth of the potion, battery, acquittal early in the trisl, on the or other cause, this is murder; for in grounds no crime bad been committed, law it is accounted a reasonable creathat In its 1973 Roe v. Wade abortion ture in 'rerum natura,' when it is born decision, "the Supreme Court held that the word 'person' as used in the 14th Dr. Edelin's defense attorneys-William P. Homans, Frank Sussman, and amendment does not include the ua-Jeanne Baker-also pointed out when

erams.

MEDICAL TRIBUNE

The helleopter—here, as seen later at low tide—was flows by an Air Force erew. None of the personnel on hoard were wenring heavy elothing and all felt halffrozen by the ley waters and biting wind.

### **Heroic Measures Save Infant in Downed Copter**

WHAT ATANTED out as a routine flight of the University W of Oregon's neonntal emergency transport system recently ended with a plunge inlo an ley river and berole measures by medical persannel to save the life of an infant. The Health Sciences Center News reported that 16-day-old Trnvis McCraw, In an isolette, was being flown to the center because of respiratary distress. Caring for the infant on board the helicopter were Dr. Raul Banagale and Joan Slibernagel, R.N. The huby was reeciving oxygen and I.V. finish when the engine of the helicopter failed. As the craft came down it struck a rock and fell on its side in the Columbia River. In almost total darkness and partly submerged, Dr. Banagafe quickly removed the infunt. Crew members helped the doelor and nurse wade through walst-deep water to a sandbar about 25 feet away. Crawling into a survival bag, Nurse Silbernagel took off her wet etothes and held the baby close to her body to keep him warm. An oxygen hose was slipped luside the bug and placed in front of the infant's nose, and dry Air Force socks were wrapped around him.
The nurse recalls, "The only way to lell for sura if the baby was still alive was to hear him ery, so I kept pinehing him." Rescued by another helleopler in about a half hour. the baby recovered quickly.



Travis McCraw appeared no worse for his experiences



According to Dr. Banagale, shown with Nurse Silbermagel: "We didn't have time to get scared, Everyone's attention was on the baby. When you're so busy ion was on the baby. When you're so busy faking care of somebody, you don't have a chance to be afraid."

One Man...and Medicine

## ARTHUR M. SACKLER, M.D.,

### Doctor, are you innocent?

Doctor, are you innocent?

Wednesday, March 12, 1975

How many doctors can prove innocence, that they never did anything for which they could be charged with manslaughter—in the minds of some? Dr. Kenneth C. Edelin of Boston had obviously been held innocent by a

"jury of his peers," the medical staff the rules and regulations of the hosnitsl and the dictates of his conscience as a physician. He was guilty of nothing except the performance of his duty. Dr. Edelin is as innocent of manslaughter as are most of his fellow physicians and as are the medical and other administrators of his hospital.

Yet Dr. Edelin was found guilty of manslaughter in standing by and denying a fetus oxygen oud thereby cous-

### Guilt and Injustice

There is guilt—the guilt of a society which permits a vicious manhunt against a physician performing his duand injustice, when an individual is unfairly singled out to be punished for an interpretation of lnw established only at his trial. If the medical profession temains silent, it too will share the guilt of hypocrisy which rapes the es-

Silence will open the dnurs wider for those "erusaders" whose only sensitivity is to the intensity of their own emotions without regard to the effect upon the rights, the beliefs and the freedom of their fellow citizens. And this goes for "crusaders" of the right as well as of the left. Silence by the "center," hy the official and unofficial bodies of medicine, will he consent by

Dr. Edelin was found guilty of manslaughter in stonding by ond denying n fetus oxygen ond thereby causing its

### Who Else Denies Oxygen?

The cigarette manufacturers of America are guilty of negligence in these terms when the eancer-riddled

"push" oxygen-depriving carcinogens npon gullible people who want to be unhelieving.

Food manufacturers who load their products with sugar and saturated fats would join the cigarette makers in the difficult problem of trying to prove their innocence as to the cause of the epidemic disaster of American heart attacks which deprive their victims of

essential oxygen—and of life itself.
Radio and television, which flooded the nation with the news of a doctor's conviction by a jury of his non-peers,

of his hospital. Boston City Hospital might have to stand in the same dock brought no charge against bim. He with the newspapers—participants in performed his duties in accord with an act of manslaughter hy denying oxygen as a result of the damages of the products they promote.

The automobile manufacturers with their air-polluting engines and the owners of smoking, helching chimneys poison us with carbon monoxide snd other disrupters of the oxygen carrying mechanism. They too can be subto the charge of manslaughter on ject to the charge of manslaughter on the same principle; they deny oxygea not just to one fetus but to mothers and their children, horn and unborn, and the fathers as well.

### Recognizing the True Issue

Let's get it straight.

I am ngainst suicide. But I would be the last one on earth to deny an hospital, the laws of the land, and the individual dying of an incurable and teacts of his conscience. There is guilt, painful disease his right to confront the end of his life with what he helieves to be dignity and peace.

I am deeply concerned about the population explosion but I am equally concerned with the attempt of governments to impose their policies by simplistic propaganda in suppart of sterilization and birth control techniques nlone. I maintain the right of each individual to choose or not use cantraceptive technology und/nr ahortian.

I am opposed to cuthunnsin. In this, tno, I do not stand ulonc. The Cathalic church, some of whose fullowers have pursued and persecuted Dr. Edwhich stretch the limits of himselly, for keeping people alive. for keeping people alive.

### Dr. Edelin is Not Alone

Dr. Edelin does not stand alane in the dock. Doctor, you are there, too. Dr. Edelin's actions were completely

consistent with the rules and regulations, the practices and principles of The newspapers and the advertising agencies of America are guilty of contributing to manslaughter in helping withing the manslaughter in helping withing to manslaughter in helping withing the manslaughter in helping withing to manslaughter in helping withing the manslaughter in helping within the manslaughter in helping withing the manslaughter in helping within the manslaughter in h one of the great hospitals of this counhave gone heyond what Dr. Edelin has done and broken the rules and are

> has devoted his life to the eare of the cel of the same thing the tide of pregnant woman and her child be anti-science. Many good people as well lieves that a large section of the med- as the Devil quote scripture, But let's



Dr. Edward A. Gall, of the University of Cincinnati, has named after one of his discoveries. The planet, first noted in 1916 but hith nameless, has been afficially designated Granule, to commemorate the covery of a specific granule in lymphocytes by Dr. Gall and to bonor his k and distinguished career as a pathologist. Above, Dr. Gall at ceremor hamring him upon retirement.

ing pregnancy in respect to salt and protein intake—that the fetal hrain is damaged and that his approach to toxemia of pregnancy could save lives whase loss can be charged to other physicians as "manslaughter."

### The Rule of Non-peers

The vulnerability of the medical profession is clearly evidenced in the rislag tide af malpractice suits and judgments. There, juries of non-peers rule. The ultimate outcome is the present unreal situation with malpractice insurance rates. It should escape none that the resort to judicial processes in public climates which are constantly swayed by prejudice is no assurance that justice will be done. It would appear that the step from malpractice to manslaughter is a short ane indeed.

Those who have made a nightmare of a physician's life, even as he began his practice of healing his fellawmen, can have you in the dock, too.

Have you interfered with the oxygen supply at a 24-weck-old fetus?
You are guilty. Of what? Of what is
now described us a crime. Aren't you also guilty when interfering with the clin, has recognized that there is a oxygenation of a ten-week-old fetus, limit to "the artificial means," some of ar gullty af denying the ovum right to

Do you prescribe oral contraceptives? Are yau sure you are innocent of s potential charge of manslaughter? "Right you are," I seem to hear the "right-to-life" people say. "That, too, is murder." They have the right to say so, hut do they have the right to im-prison you and me and others who do

The danger posed is not limited to guilty of manslaughter? Are you sure that you have always provided the necessary oxygen? Or all the other necessary oxygen? Or all the other ancillary measures to assure that the patient has the optimal cellular oxygenation? As for the fetus, let us not forget distortions of medical history and therthat a highly dedicated physician who apeutic perspectives are part and par-Ical profession is guilty of mismanag not lift out of context "Love thy neigh-

bor", "Judge not lest ye be judg

It was two years ago that I w I would not wish to have my life it in the balance of our judicial sys (Med. Trib., Apr. 18, 1973). I h that Dr. Edelin may yet be vindled by higher judicial authorities who penetrate the hypocrisy of our soci the hlindness of a jury of non-pet and who will render a verdict of " nocent"-the verdict which has been rendered by the institution in which Dr. Edelin practices.

Oh, how right I was when I wrote, "I cannot shake the lessons of history, political as well as medical. I must conclude that I, for myself or for a member of my family, would prefer to be at the mercy of the average practieing physician or average researcher than to be medically or psychiatrically at the mercy of either the state or of its courts."

### IGRAMS—Clinical and Otherwis

But in science the credit goes to the man who convinces the world, not to the man to whom the idea first

Sir Francis Darwin (1845-1925) First Galton Lecture before the **Bugenics Society (1914)** 





Wednesday, Merch 12, 1975

does not include "romantic and erotic

Althaugh fewer atudies have been

possible on sex-chromosomni mules

principle, Dr. Maney said experiments

with rats clearly indicate that feminine

nonmasculinization or aubmasculiniza-

Discussing postnatal differentiation

of gender identity/role, the investign-tor emphasized his belief that sex dif-

ferences programmed to take place after birth become incorporated as

"indelibly" as those taking ploce before

"Dimarphism of behavior and im-

agery as masculiae or feminine be-comes programmed into the central

acryous system as firmly as if it were

genetically determined although, in lact, it is a product of early social in-

teraction," be said, adding that the delivery-room announcement "It's a boy" or "It's a girl" will influence the baby's

Ta demonstrate the importance of

early postnatal experience, Dr. Money

cited his studies on 30 matched pairs

of hermaphrodites in which each pair

was concordant for diagnosis and pre-natal history but discordant for sex of

Markadiy Different Outcomes

Both members of one pair were

46,XY chromosomal males, born with

nadescended testes and with an incom-

pletely differentiated phallus. One was

a male, and giveo appropriate rehnhili-

tative surgical and pubertal-hormonal therapy. The other was thought to he

a girl and given surgical and hormona

treatment accordingly.

The outcomes differed markedly,
Dr. Money said, The girl differentiated

a feminine gender identity/role and "is not remarkably different" from other women, including her romantic and

erotic life, while the boy is now a

married man with a professional

la anather case observed by Dr. Money, nne of a pair of identical maic

trias last the penis in a circumcision accident. The latant was promptly re-assigned as a girl and in late childbood

now has a gender Idantity/role "quite

disorphically different's from that of

"Cases such as these lead me to the

conclusion that the irreducible sex dif-

ferencea are that women menstruate,

gestate, and lactate, and men impreg-

nate," Dr. Money said.
Contrary to popular belief, he added, behavioral traits including aggression

and parentalism are not sexually absolutely dimorphic even though the thresholds for their elicitation and the

effective evoking stimuli may be sex-

Smallpox Cases Drop Medical Tribuns World Sarvi

GENEVA-Only 1,400 cases of small-

pox were reported last December throughout the world, according to the

World Health Organization. The figure represents a decrease of almost 90 per

cent from the total of 12,000 cases reported in December, 1973.

Most sexually dimorphic behavior

ually dimorphic.

dered a boy at birth, assigned as

assignment and postnatal history.

aext 70 to 80 years.

Medical Tribune Staff
NEW YORK-The change in malefemnle stereotypes now taking place in this country and elsewhere should be recognized as "not a matter of fashion or whimsy but an incvitable tide of history," a Johns Hopkins investigator declared here.

John Moncy, Ph.D., Professor of Medical Psychology, also said it is a mistake to hallow that are all plants. mistake to believe that gender identity is so firmly fixed by nature prenatally that it is not "open to options of developmental differentiation."

Some observers of today's scene argue that the idea of changing storeatypes of gender identity/tole flies in trial and automation revolution, mak-

doctrine that anatomy is destiny, he told the American Assaciation for the and baby-care ability also less impor-Advancement of Science.

is a scries af bifurcations along the developmental pathway on which an individual personality becames genderstereotypically imprinted. At any one of these bifurcations, 'nurture may

otherwise have fallowed." Discussing biasacial reasons for the 

The population explosion, with the change in sex stereotypes, Dr. Money need to limit family size, cited five contributing determinants:

 The ioveation of labor-saving and the face of immutable biology and the ing male-female differences in size and

"But in actual fact," he said, "there • Extension of life expectancy, giving women extra years after childbearing and men nad women extra years after childrearing.

· A lowering in the age of puberty, meening that women may choose early childbearing with a later enreer or an versa-the program that nature would carly career with pastponement of

The development of effective, cheap,

and mass-distributed means of birth control—aa inveation "as significant as the discovery of fire."

Dr. Money then summed up evi-

The sequential action of the component variables of gender identify/rek differentiation, according to John Money, Ph.D., of Johns Hopkins, who helleves that gender licentity is not so firmly fixed by nature presentally that it cannot be changed.

dence for his conviction that "nurture can affect nature in the dimorphism of sexual differentiation."

One classic example of carly prenatal environmental intervention, ke snid, is the fertilized egg cell that is deprived by anme means of a Y chromosome

"The embryo that nature would offerwise have programmed to differen-tinte as a 46,XY chromosomal make thencefurth is programmed to differen-tinte as a 45,X chromosomal female," he pointed out. (The Y chromosome can be lust without destroying the cell's viability.)

The investigator noted that this socalled Turner's syndrome has been recorded in one of a pair of monozygotle twins—one child was born with a penis, the other with a vagias.

### The 'Adam Principle'

According to the "Adam principle," Dr. Money sald, nature decrees that the sexually undifferentiated early embryo, whatever its genetic sex, will dierentiate as a female unless androges is added. And since the testis that supplies androgen is differentiated from neutral or ambisexual gonadal tissues under Instructions from the Y chromosome, "the line of command is Y

chromosome, testis, androgen." Alteration of the prenatal environ ment at a critical period at any point in this line can thus prevent or arrest masculine differentiation, he said, allowing the "Eve principle" to take

Prenatal nonmasculinization of the external genitals of the sex-chromosomal male, and masculinization of the sex-chromosomal female, can both oc-cur in human beings, Dr. Money con-tinued. In the female, the usual cause is an excess of androgen supplied by the fetus's own adrenal cortices.

There is now behavioral evidence, he noted, that such prenatal androged zation of the sex-chromosomal female produces a disposition toward tom-boyism, which is "compatible with a feminine differentiation of geader idenity," not socially stigmatizing, and as we know it is the product of cultural history and not of some eternal verity programmed by biology," he said. "As n people, we have a long history of maximizing sex differences in behavior rather than minimizing them. This is a with an inaufficiency of the Adam policy that doubtless made good sense in neolithic times and later, but it is a sexual behavior results from hormonal policy which is not serving us very well today. It has become machronis

> In Dr. Money's view, if saciety decides to commit itself to a change of the sex stereotypes, the program must begin with childrenring. Gender identity/role has very plastic undifferentiated beginnings at birth, he pointed out, but differentiates in infancy and early childhaod "to have great tensile strength and resistance to reshaping, like steel that cools and hardens from the molten state."

Wayne State Unit Operates 'Sickle Mobile'

ve Sickle Cell Center at Wayne State University operates as usual "Sickle Mabile" to perform many free services quickly and efficiently In different locations. Staff members draw and test bland (above), show an educathaul film, discuss bland test results, and, if approprinte, provide counseling.

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Medical Tribune
Sexual periods don't miss next week's sexual medicine today Where are we going? After 10 years, Dr. Mary Calderone, of the Sex Information and Education Council of the United States, looks back on the fight to establish the right to information about sex; talks about homosexuality, pornography; disapproves of what is happening today; and discusses what is needed tomorrow.... Part I of this exclusive interview with one of America's top experts on sex education. Questions and answers about vibrators: Who buys them? How do they work? Do men and women both use them? Is the phallic type a flop? When are vibrators used therapeutically? What therapy would help a young man with overt homosexual tendencies who wants to be heterosexual? See Patients' Problems. **加州公司** 

Only on ntihypertensive provides the threpreferred modes of action.

In treating hypertension, current clinical practice stresses the importance of achieving control of three basic homeostatic mechanisms: fluid volume. sympathetic activity, and arteriolar tone.

arteriolar tone.

Initial treatment most frequently employs one of the thiaszides. 2-7

But if blood pressure resists fluid volume control with thiaszides, a second agent with a different mode of action, such as a sympathetic inhibitor (reserpine), may be gradually added. 2-4

Many hypertensives, however, may resist control even with a two-drug regimen.

In such cases, the crucial "third step" in combined therapy is frequently control of arteriolar tone with hydralazine. 2-4

Ser-Ap-Es combines all three steps in a single tablet—all the medication many hypertensives

tablet—all the medication many hypertensives will need.
And whan the dosage of each component corresponds to the dosages pre-established by individualized tibration, Ser-Ap. 5a may prove more convenient and more economical.
Doses of each component in Sar-Ap-5a are lower than when used alone.
Note: Use Ser-Ap-5a cautiously in patients with advanced renal damage or cerebrovascular accident. Discontinue at first sign of mental depression.

Ser-Ap-Es is the only antihypertensive agent that provides the three basic drugs used in two published VA cooperative studies.

Only Ser-Ap-Es combines control of fluid volume with hydrochlorothiazide

Hydrochlorothiazide ps vides a modest sutilype tensive effect throughow of extracellular fluid who and potentiates the activ drugs. 5-7

plus control of sympathetic activity with reserpine...

Reservine decreases blood pressure by interfering with the release of noropinephrine at peripheral sympathetic neuro-effector sites. <sup>5-7</sup>

Sympathetic inhibition also produces a contral sedative effect especially useful in management of the stress-reactive patient.

> pius direct relaxation. of arteriolar smooth muscle with hydralazine...

The unique action of hydralais lowers blood pressure through director arteriolar vasodilation to reduce peripheral resistance. 5-7 The depripheral resistance. peripheral resistance. \*\*Time decrease in arteriolar resistance is accompanied by maintenance of regional vascular flow, making hydralazine particularly valuable for patients with slightly impaired renal flow. \*\*

(C) Despan of reiessed seteriolo

...in a single tablet Ser-Ap-Es

reserpine 0.1 mg hydralazine hydrochloride 25 mg hydrochlorothiazide 15 mg

Continued from page 1 fractory to repeated dilation quired resection.

The deleterious substance appears to be the 233 mg. of sodium hydroxide saw him swallow the table but was unthet, in normal urine testing, provides aware of the danger and so did not ficiently short for resection and endtwo essential requirements for the indicalor reaction: a strongly basic pH when the child was febrile, tachypneic, and, by its hent of hydration, tempera- and unable to swallow his saliva. Ratures that are close to the boiling point.

child, Dr. Burrington sald, it apparently dissolves in saliva to a studge that sticks in the esophagus about the level of the carina and caases a severe burn, both by its caustic nature and by the large local release of heat. A stricture then develops over the ensuing three

Dr. Burrington said that his experi-

cnce demonstrates that both patients abled the physician to relate the symptablets. In one case, the child's father the esophagus at the level of the

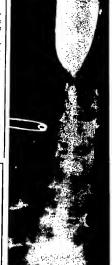
### Dyaphagie of 2 Weeks' Duretion

In another case, a child was brought to the hospital with dysphagia of two weeks duration. Although persistent

and their physicians are insufficiently toms to Clinitest ingestion, neither he acquainted with the hazards of these nor the parents had been nware of the tablets' caustic nature.

All five patients had strictures sufseek medical help until the next day, to-end anastomosis of the esophngus to be accomplished without disruption of the diaphragmatic crura or the cardiographic studies at the hospital dioesophageal junction. Although four When a tablet is swallowed by a showed a right upper lobe pneumonia of the five also required dilatations and, on barium swallow, narrowing of postoperatively, all but one are now eating normally.

Dr. Burrington noted that vinegar and lemon juice are listed as antidotes on the hottle, but expressed the hellef that they may do more herm than good. While it seems logical to neutralize the caustic base with these acids, he said, questioning of siblings eventually en- the neutralization reaction intensifies



swallow shows short, tiel esophageal stricture in a two-year-old three weeks after ingestion of single Clinitest tablet, Dr. Burrington says the tablets have been insufficiently recognized as a hazard to children.

the release of hent and probably po-tentlates the thermal component of the

The preferred antidote, he said, is cold ntilk, which also less the advantage of heing rendly available and sc-ceptable to the child. He suggested s flush of tap water as a second choice.

While the use of steroids and antibiotics is generally thought to be helpful in the treatment of sodium hydrox ide burns of the esophagus, he re-marked, only one of the five patients was seen by e physician early enough for this therapy to be instituted. The acute symptoms are often surprisingly mild, he sold, so that the child may not he brought to the physician's attention

until the developing stricture seriously interferes with awallowing.

The possibility of Clinitest lageston should therefore be considered with any child who presents with a short, persistent esophageal stricture, Dr. Burrington commented. He added that the absence of diabetics in the child's immediate family should not rule out this explanation, since two of the five children he treated swallowed the offending tablet while visiting in another

The problem is compounded, he observed, by the fact that the simple screw-top bottles containing the tab-lets, whose flecked appearance is ap-parently attractive to children, are of ten left in easily accessible places-the hack of commodes, for example—in order to be convenient for urine testing. As with any dangerous substance they should be stored in child-proof containers out of easy reach, he said.

Fill external canal with the drops, ith patient's head tilted at 45° angle Inaert cotton plug and allow to remain for only 15 to 30 minutes; Remove plug and gently wash ear

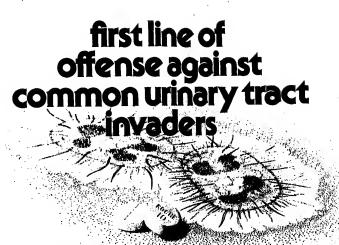
tharapy or audiometry.

Specific cerumenolytic action—axcellent regulie Specimic cerumently or action—axcellent resulter reported in over 90% of 2,700 edult and pediatric patients.\* Needs no repeated instilletions for several days,

Indications: Removal of caruman; removal of impected ceruman prior, to aer exemination, otologic therapy or euclomenty. Contraindications: Previous untoward reaction to the drops; positive patch test. Presoutions: Patch

with oution in office externe; evold using in otilis media, presence of perforsted dram, thorow directorities eval livity or other ellergic manifactations. Avoid under support of the ellergic manifactations. Avoid under support of the ellergic manifactations. Avoid under support of the ellergic manifactation of the ellergic directorities about 154. The ellergic mind stytemes to severe exzemation reaction of the ellergic surfoider flessus, ell reported uneventitut reactifiche and ossessions. Subblioprophy and desiled information.

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■ Because it has high patient acceptance with convenient B.I.D. dosage

■ Because it is economical

■ Because it is available in two convenient dosage forms—tablets and suspension

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edus to susceptible organisms short as E. coll, Klebsleite-Aerobacter, Steph. auraus, proteus mirebilis, and, less trequently, Proteus vulgaris

thrombovrobains, islukopenjiš, hamolytio anemia, pulpura, hypoprphtrombinetela, and methinogiobnemia); allergio reacilote (erythema mutilicome, materialistica politica) and methinogiobnemia); allergio reacilote (erythema mutilicome), materialistica aplitame) isocorpias, uritedia, serumi setunosa prantitus, decidenti injection, photiatica applicame), and produce the service of th



Ski poles may be caught in a sts-

Pull-nwny straps are needed to

avoid the possibility of dislocation

when that hoppens, and physicians

• Runaway devices have two hasie

forms. Some are straps that attach the

skier to the ski. Other forms are me-

chanical devices that react with snow

to prevent a ski from sliding down the

slope after the binding has been re-

"Runaway strops have flaws, After the ski has released, the runaway strap

keeps the released ski in the region of

the skler. Fallen skiers have been lac-

erated by the sharp edges of the re-lessed ski."

Improper clothing enn be another hazard, of which few skiers, and even

fewer physicians, are awnre.

tionary object, such as a tree branch, and because of the straps which are

original direction of motion."

should tell their patients so.

# Sitting pretty for years to come...

down to normotensive levels, Esidrix will continue to "sit right" with many of the mild hypertensives for whom you prescribe it. Indeed it can mean years and years of even, uneventful control.

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Wednesday, Morch 12, 1975 Clinical Trials







### TRIBUNE SPORTS REPORT

### **Doctors Are Urged to Take** Keener Interest in Ski Safety

PORTLAND, ORE,--Physicions can help curb the estimated 600,000 ski-related injuries that will occur on U.S. slopes so commonly used, the skier's hand this year, an authority on alpine sking will remain stationary with the poles told the 16th Notional Conference on os the skier's body continues in its the Medical Aspects of Sports here.

Eugene Bahniuk, Ph.D., Associate Professor of Biomedical Engineering and Assistant Professor of Orthopedies at Case Western Reserve University, said that an estimated 5,000,000 Americsos will do some skling this year and that physicions should take in interest in their safety education.

At least 50 per cent of the skiing injuries reported each year are equip-ment-related. Dr. Bahniuk said, and the rest can be chalked up to poor physical condition or ignorance.

"Physicians, especially those in sreas where skiling is popular, ean con-tibute a lot to the over-nil safety of the sport by cautioning patients against poor physical conditioning and equip-ment hazards," he said.

### Muscle Role Is Primary

"Physical conditioning plays a ma-jor role to the severity of a ski-related injury. Gertainly, energy-absorption ability of bone is very small, so the skier's primary defense mechanism is auscular conditioning. This suggests that better physical conditioning provides better energy absorption, thereby

offering the akier more protection. . . . "Doctors can help a lot just by familiarizing themselves with various ospeets of ski equipment, such as bind-

"I is particularly important that children's aki bindlogs not be considcuateris's aki bindiogs not be censidered to the same category as toys. Children have a higher intelence of ski insurant same category as toys. Children have a higher intelence of ski insurant same category in the consequences of highry for the epiphyseal plate are uniquely serious."

The average binding for a child is technically interest.

dechnically inferior to the average one don, Ont. for an adult, and physicians in areas where skiing is popular should be aware of this, Dr. Babniuk said.

Ha also commented on hazarda presented by ski poles, runaway devices, and improper clothing:

Ski poles have been implicated in

shoulder dislocations, thumb dislocations, and lacerations.

### Theodor Billiarz



education at the University of Tupiagea. In 1850 he emigrated to Cairo sad becsme interested in Egyptiaa eatozoa. În 1851 he discovered a blood fluke and later its eggs in the urine of pessants suffering the hematuria and bladder calcification of schistosomisais, or bil-

olicated in ski injuries. Ski clothes should have a high coefficient of friction when in contact with snow and ice. In some falls it is only the frictional resistance of the skler's clothes which provides a deceleration force," "Ski clothes have been directly lm- he said.

### Medicine on Stamps

Born in Sigmsringen, Germsny, in 1825, Bilhsrz received his medical

### From 3 K's to 3 F's

Dr. M. W. L. Davis, who is in family practice in Regins, Saskatchewsn, had some fun reviewing Is Marriage Necessary? by L. Casler, Ph.D., in the January Canadian Family Physi-cian. Noting that Dr. Cssler proposed "evolutionsry" development of "permissive mstrimony," Dr. Davis went on to say: "His hesitation to propose the extreme position is matched by his reluctance to take the ultimate step with language. He avoids the evolution of female function from the 3 K's (kinder, kuche and kirche)—to the 3 F's ss 'feeding, flattering, and sexual ioter-

IMMATERIA

MEDICA

Obviously, it's a case of the alphabet-syndrome. Just for starters in F, we'll throw out a few: faking, fooling, feeling, frenzy, and fun.

### **Changing Concepts**

We're indebted to Dr. Raymond M. Dorsch, Jr., of Lebnnon, Pa., for the following item from the Philadelphia Inquirer's medical column:

"The pelvic exomination is importsnt to evaluate the size of the uterus, its position, or the presence of any rumors of the uterus or ovaries."

Not a solo practice, Immateria Medica weicomes contributions from readers. Send them to Immateria Medica, MEDICAL TRIBUNE, 880 Third Avenue, New York, N.Y. 10022. Tonight, that



Efficacious in Canada Study Dr. Plunkett slso noted the work of

BY BEN ROSE Medical Tribune World Service

DL-Norgestrel, a New Form,

WINNIPEG, MAN .-- An oral contraceptive with a low dose of estrogen (30 micrograms) and 300 micrograms of DL-norgestrel, a new form of proges-tin, has proven efficacious in blocking ovulation in a scries of 23 women,

it was reported here to the annual meeting of the Royal College of Physielans and Surgeons of Canada. The study was described by Dr. Barl Plunkett, Professor and Chair-

man of Obstetrics and Gynecology, University of Western Ontario, Lon-The women received three months

of medication spaced between a month with no medication. Dr. Pluakett sald Corporation.

and 5 per cent in the third,

other investigators of the drug who have described a significant drop in cholesterol level of aubjects. He sald a minor change in the molecular structure of progestin alters its metabolic effects significantly, and predicted this would be a fruitful area of research.

### **Rand Manpower Study**

Medical Tribune Report
SANTA MONICA, CAL.—Bigger money and high prestige draw California medical students into the specialties and the cities, and away from the longer working hours, poor health services, and lower pay of rural areas, according to a study by the Rand Research

The study recommended more phyovulation.

Mid-period bleeding, occurred in 10

to 15 per cent of the patients in the first month, 10 per cent in the second, see and 5 per cent in the state of the patients of the patients in the second, see an extendibuling of educational sends on a certainful part of the patients o